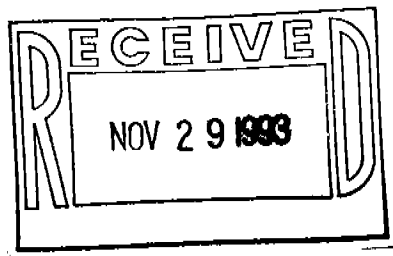


UST REMOVAL CLOSURE REPORT

for

**A & D ENVIRONMENTAL
PARKS MAZDA
HIGH POINT, NORTH CAROLINA**



COPY

Prepared by

**Innovative Environmental Technologies, Inc.
Greensboro, North Carolina**

IET

Innovative Environmental Technologies, Inc.
608 Summit Avenue, Suite 103 Greensboro, NC 27405
(919) 370-8488

November 9, 1993

Mr. David Tedder
A & D Environmental
P.O. Box 484
High Point, North Carolina 27261

Reference: **UST Closure at Parks Mazda, 2411 North Main Street, High Point, NC**

Dear Mr. Tedder:

Innovative Environmental Technologies, Inc. (IET) is pleased to provide you with this report detailing activities and results for closure of one underground storage tank used for the storage of #2 fuel oil at the above referenced location. The data collection and UST removal activities took place on October 15, 1993. Also included in this report are Innovative Environmental Technologies' findings, conclusions, and recommendations, along with a site drawing, closure documents, and the laboratory analytical results. This report should be maintained for record keeping purposes.

If you should have any questions regarding this report don't hesitate to contact me at (919) 370-8488. Again, let me thank you for allowing IET to perform this work for you.

Sincerely,

Jeff Knight, CHMM
c: Parks Mazda
Kelly Gage, Guilford County Emergency Services

enclosures
IET93106

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1.0 INTRODUCTION

On December 22, 1988 the U.S. Environmental Protection Agency implemented the federal Underground Storage Tank rules and regulations as a part of the Resource Conservation and Recovery Act (RCRA). These underground storage tank (UST) rules and regulations govern the installation and removal of UST's, as well as they govern the cleanup activities required by owners/operators in the event these systems leak. Also under these rules were requirements for states to set up their own programs to govern UST's. The State of North Carolina's UST regulations became effective on January 1, 1991.

2.0 SCOPE OF WORK

A & D Environmental closed out and removed one 275 gallon #2 fuel oil underground storage tank located at Parks Mazda, High Point, NC. Mr. David Tedder of A & D Environmental contracted with Innovative Environmental Technologies, Inc. (IET) of Greensboro, North Carolina to perform the UST closure assessment for one 275 gallon #2 fuel oil storage tank.

UST closure operation guidelines are covered under 40 CFR 280. Specifically, these regulations require owners and operators to:

- 1) Notify federal, state, and local officials 30 days prior to the closure of any UST.
- 2) Permanently close out any UST system not in use by specific technical factors.
- 3) Perform a site check to measure for the presence of a release where contamination is most likely to be present at the UST site.
- 4) Provide documentation of results of closure activities.

Fuel oil storage tanks are excluded from the federal and state UST rules, however Guilford County has rules which cover fuel oil storage tanks. IET's project performance complies and exceeds all reporting requirements.

3.0 **PROJECT**

- 3.1 The 275 gallon UST contained #2 fuel oil. The USTs had been out of service for a few years. The U.S. EPA estimates UST's will begin leaking at about 17 years after installation and that lines will begin leaking at about 11 years after installation. These estimates are for single-walled steel tanks without corrosion protection. The tank located at the Parks Mazda property was steel, non-cathodically-protected UST. The UST upon removal was noted to be in good condition.

Power utilities are aboveground. Normal water lines and sewer lines are belowground.

One UST was located at Parks Mazda requiring removal. On October 15, 1993, IET mobilized a crew to the site and performed an assessment as the UST was closed out by A & D Environmental. IET collected one soil sample as required for the UST. Prior to removal the tank was purged to remove any flammable vapors. The UST was removed at approximately 1:00 p.m. No petroleum or chemical odors were noted upon excavation and no free product existed in the excavation area.

The removed UST was in good condition. Some corrosion was noted on tank surfaces. Piping was removed from the excavation area. The UST was labeled and transported to A & D Environmental in High Point, NC. A tank disposal manifest is included in Attachment 6.4.

The soil sample collected from the center of the tank excavation area approximately two feet below the bottom of the tank. The soil sample was collected utilizing EPA approved procedures, sealed in a glass container, transported to an approved EPA laboratory at 4°C and analyzed for Total Petroleum Hydrocarbons (TPH) Method 3550 for the #2 fuel oil. Analytical results of the soil sample collected on October 15, 1993 is enclosed in Attachment 6.2.

The excavation was backfilled with clean soils, brought up to grade.

4.0 **CONCLUSIONS**

The UST has been removed, that is the system has been properly closed out and removed from the ground. Laboratory analytical results showed no contamination in the soil sample collected at the site.

The UST was observed to be in good condition and there was no free product noticed upon removal. Analytical testing results indicate that no contamination was present.

Based on results of analytical testing there is no presence of soil contamination existing in the UST excavation pit area. The detected concentrations are below the NCDEHNR established required level of 10 mg/kg TPH as set forth by the NCDEHNR. No other contamination was indicated as evidenced by the analytical results. No free product was ever noticed during any excavation activities.

5.0 **RECOMMENDATIONS**

The conclusions indicate that no contamination is present. No free product was ever noticed during excavation activities.

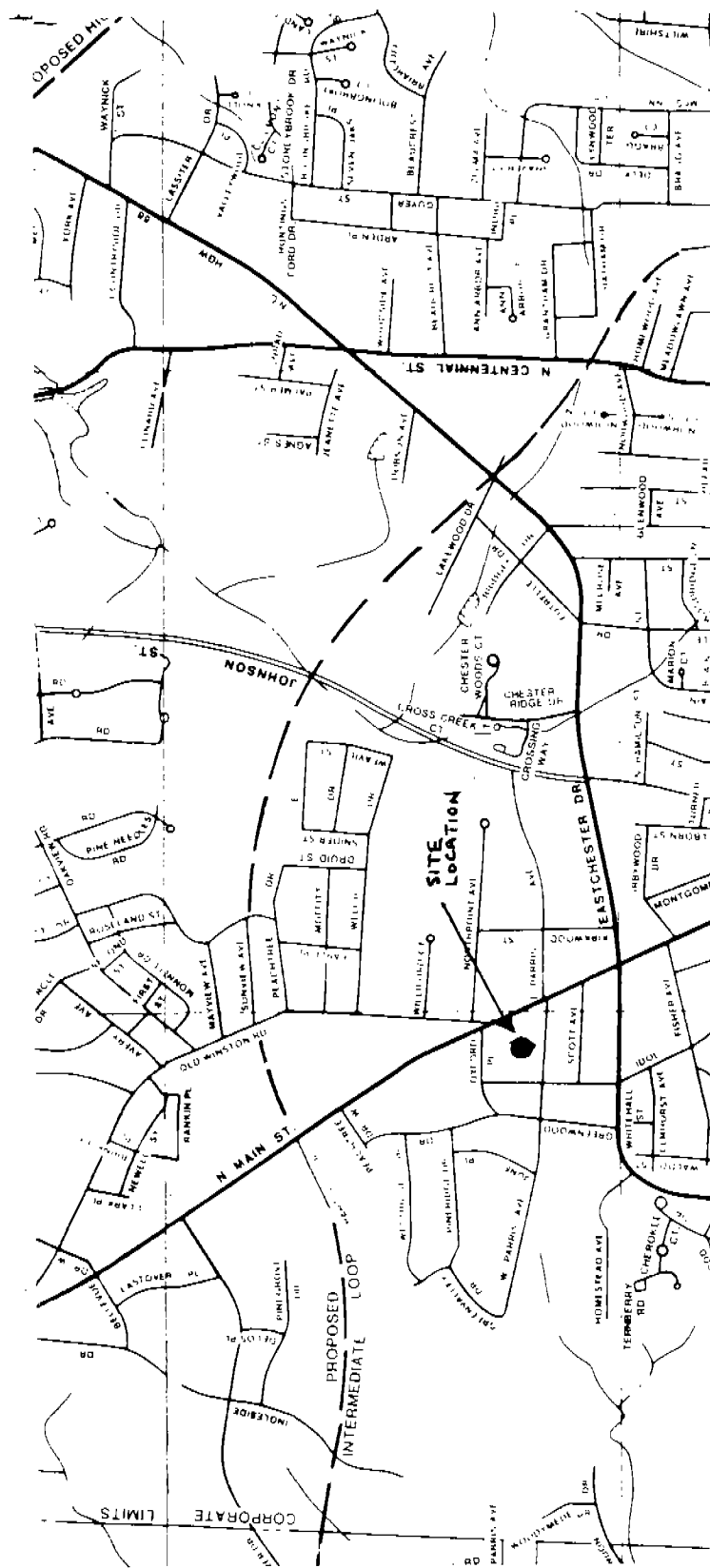
Land use in the area is typically residential oriented with some business use, also.. Water users are supplied water from the City of High Point and wastes are also collected by the High Point Sewer Department.

Based on the information provided to the NCDEHNR; the prospected land use and the removal of a potential source of any contamination, IET recommends the site be considered for a clean closure with no further action required.

IET has provided its best judgement of the facts for the work performed on the dates and locations presented in this report. The facts presented are based on actual data collection and documented discussion of parties utilizing the property. This does not preclude the possibility of problems unforeseen or undetected during this investigation nor does this report preclude the possibility of other practices conducted on this site at the current time, in the past or in the future which may affect the outcome of these conclusions and recommendations. Therefore IET cannot warrant against future operations or conditions or present operations or conditions present which were not investigated.

ATTACHMENTS

ATTACHMENT 6.1



HIGH POINT, NC

MAP SOURCE: CITY OF HIGH POINT MAPS
 AERIAL PHOTOGRAPHY OF MARCH, 1972
 REVISED - 1986

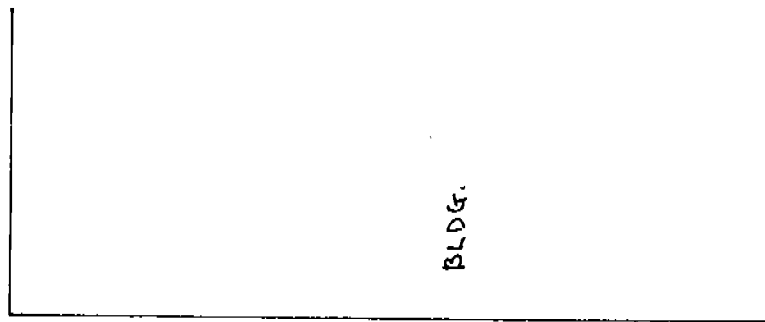
Site Location

Parks Mazda, High Point, NC

INNOVATIVE ENVIRONMENTAL TECHNOLOGIES, INC.
 WALKERTOWN, NORTH CAROLINA

Date
 07/29/93

NORTH MAIN STREET



SOIL
SAMPLE
LOCATION

275

#2 FUEL OIL UST

ASPHALT PARKING LOT

Site/Location

Parks Mazda, High Point, NC

INNOVATIVE ENVIRONMENTAL TECHNOLOGIES, INC.
WALKERTOWN, NORTH CAROLINA

Date

07/29/93

ATTACHMENT 6.2



RESEARCH & ANALYTICAL LABORATORIES, INC.

Analytical/Process Consultations



20 October 1993

IET, Inc.
608 Summit
Suite 103
Greensboro, North Carolina 27405

Attention: Mr. Jeff Knight

<u>Sample Number</u>	<u>Date Taken</u>	<u>Time (hrs)</u>	<u>Station Location</u>	<u>RAL Sample#</u>	<u>EPA Method*</u>	<u>Results (PPM)</u>
# 1	10/15/93	1200	Parks-Mazda	180584	3550	<10

*EPA Method 3550 = Total Petroleum Hydrocarbons as Diesel
PPM = Parts per million
< = Less than



CHAIN OF CUSTODY RECORD

[illegible]

ATTACHMENT 6.3

FOR
TANKS
IN
NC

Return Completed Form To:

The appropriate DEM Regional Office according to the county of the facility's location.
[SEE MAP ON REVERSE SIDE OF OWNER'S COPY (PINK) FOR REGIONAL
OFFICE ADDRESS].

State Use Only

I.D. Number _____

Date Received _____

INSTRUCTIONS

Complete and return within (30) days following completion of site investigation.

I. Ownership of Tank(s)

II. Location of Tank(s)

PARKS MAZDA
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
2411 N. MAIN ST.
Street Address
GUILFORD
County
HIGH POINT NC 27262
City State Zip Code
910 886-7889
Area Code Telephone Number

SAME
Facility Name or Company
Facility ID # (if available)
Street Address or State Road
County City Zip Code
Area Code Telephone Number

III. Contact Person

HYBERT PARKS OWNER (910) 886-7889
Name Job Title Telephone No. (Area Code)
Closure Contractor A&D ENVIRONMENTAL PO BOX 484, HIGH POINT, NC 27262 (910) 434-7750
(Name) (Address) Telephone No. (Area Code)
Lab R&A LABS KERNERSVILLE, NC (910) 996-2841
(Name) (Address) Telephone No. (Area Code)

IV. U.S.T. Information

V. Excavation Condition

VI. Additional Information Required

Tank No	Size in Gallons	Tank Dimensions	Last Contents	Water in Excavation		Free Product		Notice, Odor or Visible Soil Contamination	
				Yes	No	Yes	No	Yes	No
1	275	27"X44"X60"	FUEL OIL		X		X		X

See reverse side of pink copy (owner's copy) for additional information required by N.C. - DEM in the written report and sketch.

VII. Check List

Check the activities completed

- ☒ Contact local fire marshal
☒ Notify DEM Regional Office before abandonment
☒ Drain & flush piping into tank
☒ Remove all product and residuals from tank
☒ Excavate down to tank
☒ Clean and inspect tank
☒ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps and other tank fixtures
☒ Cap or plug all lines except the vent and fill lines
☒ Purge tank of all product & flammable vapors
☒ Cut one or more large holes in the tanks
☒ Backfill the area
 Date Tank(s) Permanently closed: 10-15-93
 Date of Change-in-Service: _____

- ABANDONMENT IN PLACE**
- ☐ Fill tank until material overflows tank opening
☐ Plug or cap all openings
☐ Disconnect and cap or remove vent line
☐ Solid inert material used - specify _____

- REMOVAL**
- ☒ Create vent hole
☒ Label tank
☒ Dispose of tank in approved manner
 Final tank destination D.H. GRIFFIN

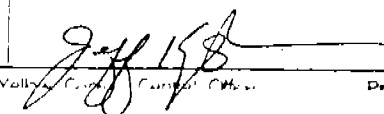
VIII. Certification (Read and Sign)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Print name and official title of owner or owner's authorized representative:

Signature

Date Signed

JEFF KNIGHT - PRESIDENT - IET

11-20-93

ATTACHMENT 6.4



Environmental and Industrial Services

P.O. Box 484, High Point, NC 27261, Phone (919) 887-8435, FAX (919) 299-1961

TANK DISPOSAL MANIFEST

- 1) Tank Owner/Authorized Representative: Name and Mailing Address _____

Parks Mazda
2411 N. Main St.
High Point NC

- 2) Tank Owner/Authorized Representative: Contact _____

Phone#: _____

- 3) Description Of Tanks:

<u>Tank No.</u>	<u>Capacity</u>	<u>Previous Contents</u>	<u>Comments</u>
<u>(1)</u>	<u>275</u>	<u>Fuel oil</u>	

- 4) Tank Owner/Authorized Representative Certification: The undersigned certifies that the above listed storage tanks have been removed from the premises of the tank owner.

Printed/Typed Name

Signature

Month/Day/Year

- 5) Transporter: The undersigned certifies that the above listed storage tanks have been transported to A&D Environmental and Industrial Services, ~~617 Waughtown Street, Winston-Salem, N.C.~~

2718 Uwharrie Rd Archdale NC

Chuck Elmore
Printed/Typed Name

Chuck Elmore
Signature

10/15/92
Month/Day/Year

- 6) Disposal Certification: The undersigned certifies that the above-named storage tank(s) have been cut into scrap pieces and accepted by the metal recycling facility.

Recycling Facility: _____

D.H. Gaffin working

Clyde Isley Jr
Printed/Typed Name

Clyde Isley Jr
Signature

10/21/93
Month/Day/Year

A & D Environmental and Industrial Services

Post Office Box 484
High Point, NC 27261
(910) 434-7750
Fax: (910) 434-7752

NON-HAZARDOUS WASTE MANIFEST

Manifest #

Date: 10-15-93

Generator:

Parks Mazda
2411 W. Main St
High Point NC.

Phone No: _____

EPA ID No: _____

Contact: _____

Process which generated waste: UST

I certify that the materials described below are properly described, classified, packaged, marked and labeled, and are in proper condition to be transported in commerce under the applicable regulations of the State, the Environmental Protection Agency and the Department of Transportation. I certify that the waste described below is non-hazardous. I certify that the specific waste was delivered to the carrier named below for legal treatment, storage, or disposal at the site indicated.

Date _____

Signature _____

Description of Waste	Circle Form	Quantity	Circle Units	No.	Container Type
<u>oil and sludge</u>	<u>Solid</u> <u>Liquid</u> <u>Gas</u> <u>Sludge</u>	<u>50gals oil</u> <u>55gals 1-Drum</u>	<u>Gallons</u> Cu. Yards Pounds Tons		

Transporter:

A+D
PO Box 484
High Point NC

Unit Numbers:

UT-1

Phone No:

919 434 7750

EPA ID No: _____

Vehicle License Tag Number(s) _____

Container:

VAC Truck

I certify that the specified waste was transferred in a registered (licensed) vehicle to the disposal treatment, storage, or disposal facility named below and was accepted.

Pick-up Driver's Signature

Date

[Signature]

10-15-93

Delivering Driver's Signature

Date

[Signature]

10-15-93

Facility:

A+D
2718 Vwharrie Rd.
Archdale NC

Phone No:

434-7750

Contact: _____

Handling Method: _____

I certify that the Transporter above delivered the specified material to this facility and was accepted and properly handled in the above manner. We are authorized and qualified by the State of _____ to handle this material.

Date:

10-15-93

Signature:

[Signature]

ORIGINAL - Destination Retain.

COPY 2 - Return to Generator

Copy 3 - Transporter Retain

Copy 4 - Generator Retain